

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Carole CHAIX-BAUVAIS et al.

Group Art Unit: 1646

Application No.: 10/501,347

Filed: October 13, 2004

Docket No.: 120402

For: BI-FUNCTIONALIZED METALLOCENES, PREPARATION PROCESS AND USE IN
THE LABELING OF BIOLOGICAL MOLECULES

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. Relevance of references 1-3, 5-6, 8-14 and 17 is discussed in the present specification.
- ☒ 3. The references 4, 7 and 15-16 were cited in a counterpart foreign application. An English language version of the foreign search report is attached for the Examiner's information.
- ☒ 4. In accordance with 37 CFR §1.98(a)(2)(ii), copies of any U.S. patents and patent application publications are not attached.

Respectfully submitted,



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<p>DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461</p>
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Sheet 1 of 1

Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 120402		APPLICATION NO. 10/501,347	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANTS Carole CHAIX-BAUVAIS et al.			
				FILING DATE October 13, 2004		GROUP 1646	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
	1.	US 6,211,356 B1	4/3/2001	WIESSLER et al.			
	2.	US 6,232,062 B1	5/15/2001	KAYYEM et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
	3.	FR 2 607 507	6/3/1988	FRANCE			
	4.	WO 00/52063	9/8/2000	WIPO			
	5.	WO 00/31750	6/2/2000	WIPO			
	6.	WO 01/81446 A1	11/1/2001	WIPO			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
	7.	Fan, Rui-lan et al.; "Synthesis and characterization of rare earth metal complexes of 1,1'-ferrocenediacetyl hydroxylamine"; XP-002216436					
	8.	Michel Egholm et al.; "Peptide Nucleic Acids (PNA). Oligonucleotide Analogues with an Achiral Peptide Backbone"; J. Am. Chem. Soc. 1992, 114, 1895-1897					
	9.	Steven A. Kates et al.; "Solid-Phase Synthesis A Practical Guide"; Marcel Dekker, Inc.; 2000					
	10.	Serge L. Beaucage et al.; "Current Protocols in Nucleic Acid Chemistry (Volume 1)"; John Wiley & Sons Inc., New York 1999					
	11.	Sudhir Agrawal; "Protocols for Oligonucleotides and Analogs Synthesis and Properties"; Methods in Molecular Biology, Humana Press, 1993					
	12.	Theodora W. Greene et al.; "Protective Groups in Organic Synthesis Second Edition, Wiley Interscience					
	13.	Denis Guillaneux et al.; "High Yield Synthesis of Monosubstituted Ferrocenes"; J. Org. chem.. 1995, 60, 2502-2505					
	14.	M.D. Matteucci et al.; "Synthesis of Deoxyoligonucleotides on a Polymer Support"; J. Am Chem. Soc. 1981, 103, 3185-3191					
	15.	Ekkehard Lindner et al.; "Synthesis, Structure, and Electrochemistry of Osmametallophenes with Different Ring Size"; XP-002216435; Organometallics 1999, 18, 480-189					
	16.	Ekkehard Lindner et al.; "Preparation, properties, and reactions of metal-containing heterocycles Part C.V. Synthesis and structure of polyoxadiphosphaplatinaferrocenophanes"; Journal of Organometallic Chemistry 630 (2001) 206-274					
	17.	C.J. Yu et al.; "2'-Ribose-Ferrocene Oligonucleotides for Electronic Detection of Nucleic Acids"; J. Org. Chem. 2001, 66, 2937-2942					
EXAMINER					DATE CONSIDERED		
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Date: May 4, 2005